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Barcode Number	Box Number	Total of Volumes	Call Number
LIBRARY OF CONGRESS 0 021 174 092 9	450	35	HA1.B3-HA1991.A1
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	458A	39	HC60 (1956-1960) no. 1-39
	458B	22	HC60 (1960) no. 40-61
	459A	38	HC60(1956-1957) no. 1-38
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PROGRAM

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO, SEPTEMBER 7-20, 1948

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INTER-AMERICAN CONFERENCE ON
CONSERVATION OF RENEWABLE NATURAL RESOURCES
Denver, Colorado, September 7-20, 1948

#2

PRE-CONFERENCE TELEPHONE DIRECTORY

Pre-Conference Headquarters

	*Building	Office Room	Code	Ext.
Office of the Executive Vice President Warren Kelchner, Chief, Div. of Int. Conferences, Dept. of State Executive Vice President	1778	1132	191	5580
Basil Capella, Div. of Int. Conferences, Dept. of State Special Assistant	1778	1140-A	191	2557
Office of the Secretary General William Vogt, Chief, Conservation Section, Pan American Union Secretary General	1778	1152-A	191	5894
Durward L. Allen, Fish and Wildlife Service, Dept. of the Interior Assistant Secretary General	1778	1152-A	191	5694
Dorothy H. King, Assistant to the Secretary General	1778	1152	191	5984
Office of the Executive Secretary Harold G. Kissick, Assistant Chief, Div. of Int. Conferences, Dept. of State Executive Secretary	1778	1023-A	191	5777
Office of the Administrative Officer John T. Forbes, Div. of Int. Conferences, Dept. of State Administrative Officer	1778	1019	191	3407

* 1778 - 1778 Pennsylvania Ave., N. W.
ADMIN - Administration Building, 14th and Independence Ave., S. W.
COMM - Commerce Building, 14th between E and Constitution Ave., N. W.
FED - Federal Works Building, 19th and F Sts., N. W.
INT - Interior Building, C St. between 18th and 19th, N. W.
NS - New State Building, 21st and Virginia Ave., N. W.
OS - Old State Building, 17th and Pennsylvania Ave., N. W.
SA5- State Annex 5 - 2145 C St., N. W.
SA7- State Annex 7 - 21st & C Sts., N. W.
SO - South Agriculture Building, 14th and Independence Ave., S. W.
WJ - Walker-Johnson Building, 1734 New York Ave., N. W.

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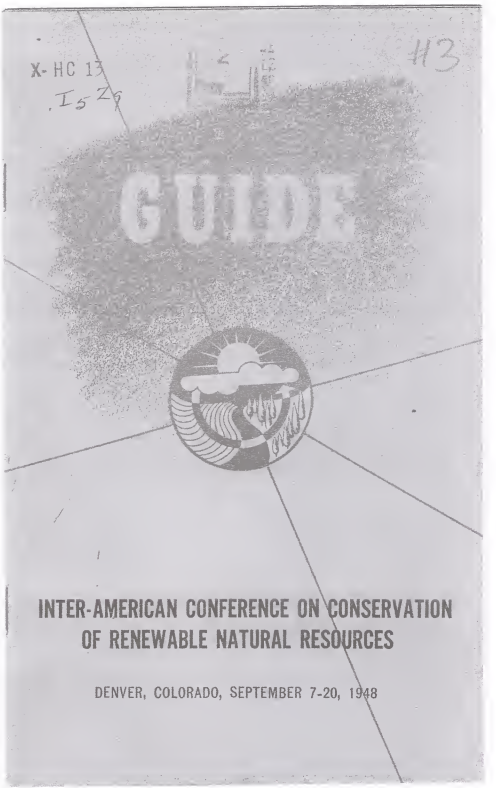

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO, SEPTEMBER 7-20, 1948

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INSPECTION AND TOUR

#4

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO, SEPTEMBER 7-20, 1948

BUREAU OF RECLAMATION ENGINEERING LABORATORIES

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Exhibits

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

PROVISIONAL LIST OF PARTICIPANTS

(This list has been compiled on the basis of information received up to 5:30 P.M., August 27, 1948. A revised directory will be issued upon completion of registration. Any corrections or additions should be submitted to the Registration Office, Lincoln Building, Shirley-Savoy Hotel.)

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

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Opening Plenary Session
State Capitol Building
September 7, 1948 - 3:30 p.m.

AGENDA

1. Convening of the Conference - Warren Kelchner,
   Executive Vice President of the Conference.

2. Address of Welcome on behalf of the Government of the United States,
   The Honorable Charles F. Brannan,
   Secretary of Agriculture,
   Temporary President of the Conference.

3. Address of Welcome on behalf of the State of Colorado and the
   City of Denver,
   The Honorable Quigg Newton,
   Mayor of Denver.

4. Response on behalf of the visiting delegations,
   The Honorable Ricardo Montilla,
   Minister of Agriculture,
   Chairman of the Delegation of Venezuela.

5. Adoption of Rules and Regulations.

6. Adoption of Order of Precedence.

7. Election of President and Vice President.

8. Election of other officers of the Conference.

9. Comments on Program - William Vogt,
   Secretary General of the Conference.

10. Adjournment.

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

ALPHABETICAL LIST OF PARTICIPANTS

(Based on Registration as of
4:30 P.M., September 7, 1948)

Key to Symbols:

BP - Brown Palace Hotel
17th Avenue & Tremont Place
Telephone - TAbor 3111

COSMO - Cosmopolitan Hotel
18th Avenue & Broadway
Telephone - MAin 2131

S-S - Shirley-Savoy Hotel
17th Avenue & Broadway
Telephone - TAbor 2151

NOTE: Any corrections or additions should be submitted to the Registration Desk, Lobby of Lincoln Building, Shirley-Savoy Hotel.

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

PROGRAM FOR SECTION I

A. Background

1. Dr. Dudley Kirk
   Demographer
   Department of State
   Washington, D.C.
   Title of Paper: Prospective Demands on Land in the Western Hemisphere

2. Dr. Kingsley Davis
   Office of Population Research
   Princeton University
   Princeton, New Jersey.
   Title of Paper: Population and Resources in the Americas

3. Dr. Homer L. Shantz
   Santa Barbara, California.
   Title of Paper: Renewable Resources Are Being Depleted

B. Impact of People and Soils in Specific Areas

4. Ing. Mario Pacheco
   Executive Secretary
   "Friends of the Land"
   San Salvador, El Salvador.
   Title of Paper: Population of El Salvador and Its Natural Resources

5. Dr. Clarence Senior
   Bureau of Applied Social Research
   Columbia University
   New York, New York.
   Title of Paper: Disequilibrium between Populations and Resources

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

RULES AND REGULATIONS

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

OFFICERS OF THE CONFERENCE AND MEMBERSHIP ON SECTIONS AND COMMITTEES OF THE CONFERENCE

President

Charles F. Brannan
Secretary of Agriculture
Washington, D. C.

Vice President

Pedro Castro Monsalvo
Minister of Agriculture and Animal Industry
Bogotá, Colombia

Executive Vice President

Warren Kelchner
Chief, Division of International Conferences
Department of State
Washington, D. C.

Secretary General

William Vogt
Chief, Conservation Section
Pan American Union
Washington, D. C.

SECTION I

Chairman

Wilson Popenoe
Head, Escuela Agricola Panamericana
Tegucigalpa, Honduras

Vice Chairman

Schiller Nicolas
General Inspector of Agriculture
Port-au-Prince, Haiti

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

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SUMMARY MINUTES

SECTION I

HUMAN POPULATIONS AND PRODUCTIVE CAPACITY OF THE LAND

TUESDAY MORNING, SEPTEMBER 8, 1948

CHAIRMAN:	Wilson Popenoe
VICE CHAIRMAN:	Schiller Nicolas
DISCUSSION LEADER:	Robert C. Cook
SECTION SECRETARIES:	Aaron J. Sharp
	Edward M. Graham

The session convened at 10:30 A.M. Dr. Popenoe made remarks concerning the importance of the Conference and pointed out that the gravity of the problems and the large number of people interested in them justified the Conference. He paid tribute to Hugh H. Bennett and William Vogt for their leadership in conservation in the Americas.

1. "PROSPECTIVE DEMANDS ON THE LAND OF THE AMERICAS: TRENDS IN POPULATION, CONSUMPTION AND OVERSEAS REQUIREMENTS" by Dudley Kirk.

2. "POPULATION AND RESOURCES IN THE AMERICAS" by Kingsley Davis.

3. "RENEWABLE RESOURCES ARE BEING DEPLETED" by H. L. Shantz.

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION I

HUMAN POPULATIONS AND PRODUCTIVE CAPACITY OF THE LAND

TUESDAY AFTERNOON, SEPTEMBER 8, 1948

CHAIRMAN:	Wilson Popenoe
VICE CHAIRMAN:	Schiller Nicolas
DISCUSSION LEADER:	Robert C. Cook
SECTION SECRETARIES:	Juan A. Bonnet
	Joseph J. Hickey

The session convened at 2:45 P.M. A few questions left over from the morning session were briefly considered. Only a start in the teaching of ecology has been made in the United States where conservation is now a required subject in some of the school systems, but a lack of good textbooks hampers the program. The greatest progress in the teaching of ecology is now taking place in Mexico where this is a matter of national law. In Peru the Institute of Andean Biology has proven that altitude decreases fertility in men and domestic animals, especially in those persons coming from sea level to high altitudes; but no such decrease has been noted in females.

4. POPULATION OF EL SALVADOR AND ITS NATURAL RESOURCES by Mario Pacheco and Alfredo Martínez.

5. DISEQUILIBRIUM BETWEEN POPULATIONS AND RESOURCES by Clarence Senior.

6. RATIONAL LAND-USE: A FUNDAMENTAL NEED OF OUR CONTINENT by Manuel Elgueta.

7. LAND TENURE AND SOIL EROSION IN COLOMBIA by T. Lynn Smith.

8. CONSERVATION AND MULTIPLE USE OF WATER IN MEXICO by Adolfo Orive Alba (read by Antonio Rodríguez Langoné)

9. THE NAVAJO - A PROBLEM IN CONSERVATION OF HUMAN AND NATURAL RESOURCES by Leonard Outhwaite.

SUMMARY OF DISCUSSION

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SECTION II

RENEWABLE RESOURCES AND INTERNATIONAL RELATIONS

FRIDAY, SEPTEMBER 10, 1948

CHAIRMAN: Eduardo Mejia Velez

VICE CHAIRMAN: Alfredo J. Sacasa

DISCUSSION LEADER: Ernest G. Holt

SECTION SECRETARIES: Aaron J. Sharp, Juan A. Bonnet, Edward H. Graham, Joseph J. Hickey

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1. The Influence of the Ratio between Renewable Resources and Human Populations with Respect to Peace

Dr. Mauricio Nabuco
Brazilian Ambassador to the United States
Washington, D. C.
Title of paper: Renewable Resources, Human Populations and Peace

Hon. Clinton P. Anderson
Former Secretary of Agriculture of the United States
Albuquerque, New Mexico.
Title of paper: Resources, Populations and Peace

2. Renewable Resources and International Competition
3. Renewable Resources and International Economic Relations and International Credit

Hon. R. M. Evans
Board of Governors of the Federal Reserve System
Washington, D.C.
Title of paper: Conservation and Credit

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

FIELD TRIP TO THE ARAPAHO AND PIKE NATIONAL FORESTS

Comments by Mr. H. E. Schwan, Range Conservationist
U.S. Forest Service, Department of Agriculture

The production of beef, lamb and wool accounts for more than half of the entire agricultural income in Colorado. Prior to the war this income from livestock, exclusive of dairy products was more than $100,000,000 annually.

The range livestock industry began on a large scale in Colorado about 15 or 20 years after the Civil War. The early day livestock industry depended almost entirely on the open range. Many of the easily accessible ranges fifty years ago carried many more livestock -- often several times as many -- than they do today. As many ranges became exhausted and deteriorated, livestock were pushed farther and farther back into the rough mountain country. At the same time large acreages of hay and grain and other feeds were developed. Thus livestock numbers and production have been maintained although on large range areas the forage has deteriorated. In fact, only very small areas of range can today be rated in satisfactory condition.

Today these areas are producing only a fraction of their potential. The problem now is threefold -- first, to prevent further deterioration; second, to restore the to productiveness; and third, to make sure that they do not again deteriorate.

The problem of restoration involves sagebrush destruction and grass reseeding on areas where this is practical. On many areas which are badly eroded, steep, rough or rocky, it may require a complete rest from grazing, often for many, many years. On very many areas where a reasonable amount of native vegetation remains, it requires fewer stock to permit range recovery.

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION II

RENEWABLE RESOURCES AND INTERNATIONAL RELATIONS

FRIDAY MORNING, SEPTEMBER 10, 1948

CHAIRMAN:	Eduardo Mejias Velez
VICE CHAIRMAN:	Alfredo J. Sacasa
DISCUSSION LEADER:	Ernest G. Holt
SECTION SECRETARIES:	Juan A. Bonnet
	Joseph J. Hickey

The session convened at 10:15 A.M.

1. "RENEWABLE RESOURCES, HUMAN POPULATIONS AND PEACE" by Mauricio Nabuco.
2. "RESOURCES, POPULATIONS AND PEACE" by Clinton P. Anderson.
3. "CONSERVATION AND CREDIT" by R. M. Evans.
4. "RENEWABLE RESOURCES AND INTERNATIONAL COMPETITION" by Amos E. Taylor.
5. "THE POSSIBILITIES OF DIVERSIFICATION AND NEW CROPS" by Wilson Popenoe.

SUMMARY OF DISCUSSION

An international commission should be organized to inventory and plan for the wise use of the world's natural resources. International credit institutions, such as the Export-Import Bank, should obtain the approval of ecologists and conservationists on specific proposals for resource development. Recommendations should be made to the United Nations to emphasize that conservation of natural resources is a world-wide economic problem.

As long as there is frozen capital in banks and conservation work and economic development of natural resources to be carried out, we are not meeting the needs of humanity. Sound rehabilitation loans promise to become the most favored of investments. They should be useful to countries

anxious to

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION II

RENEWABLE RESOURCES AND INTERNATIONAL RELATIONS

FRIDAY AFTERNOON, SEPTEMBER 10, 1948

CHAIRMAN:	Eduardo Mejia Velez
VICE CHAIRMAN:	Alfredo J. Sacasa
DISCUSSION LEADER:	Ernest G. Holt
SECTION SECRETARIES:	Aaron J. Sharp Edward H. Graham

The Session convened at 2:50 p.m.

6. "NATIONAL PARKS AND INTERNATIONAL TOURIST TRAVEL" by John E. Doerr.

7. "THE ROLE OF GOVERNMENTAL COOPERATION IN RESOURCE CONSERVATION" by Dillon S. Myer.

8. "TEAMWORK OF THE AMERICAN REPUBLICS IN CONSERVING RESOURCES" by Charles F. Brannan.

9. "INTER-AMERICAN ORGANIZATION FOR CONSERVATION OF RENEWABLE NATURAL RESOURCES" by Carlos A. Fynn.

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

PROGRAM

SECTION III

LAND USE AND THE SOCIAL SCIENCES

MONDAY, SEPTEMBER 13, 1948

CHAIRMAN: Menalco Solis

VICE CHAIRMAN: Antonio Garcia Solórzano

DISCUSSION LEADER: Carl C. Taylor

SECTION SECRETARIES: Aaron J. Sharp Juan A. Bonnet
Edward H. Graham Joseph J. Hickey

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1. Dr. S. V. Ciriacy-Wantrup
   Department of Agricultural Economics
   University of California
   Berkeley, California
   Title of paper: Conservation of Renewable Natural Resources in Relation to Economic Instability

2. Mr. Huston Thompson
   Federal Trade Commission
   Washington, D. C.
   Title of paper: Politics and the Law of Conservation

3. Dr. Nathan L. Whetten, Dean
   Department of Rural Sociology
   University of Connecticut
   Storrs, Connecticut
   Title of paper: Sociology and the Conservation of Renewable Natural Resources

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

PROGRAM

SECTION IV

THE DYNAMICS OF RENEWABLE RESOURCES

PART I, TUESDAY, SEPTEMBER 14, 1948

CHAIRMAN: Martín Cárdenas

VICE CHAIRMAN: Carlos A. Fynn

DISCUSSION LEADER: Clarence L. Forsling

SECTION SECRETARIES: Aaron J. Sharp, Juan A. Bonnet, Edward H. Graham, Joseph J. Hickey

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1. Soil

Dr. Hugh H. Bennett, Chief
Soil Conservation Service
Department of Agriculture
Washington, D. C.
Title of paper: Soil Conservation

Mr. Alpheu Domingues, Agricultural Attaché
Embassy of Brazil
Washington, D. C.
Title of paper: Soil and Forests: Two Natural Resources Which, in Brazil, Must Be Renewed

Dr. Juan A. Bonnet, Head
Soils Department
Agricultural Experiment Station
University of Puerto Rico
Rio Piedras, Puerto Rico
Title of paper: Broad Classification of Tropical Soils in Puerto Rico by Various Practical Systems

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION III

LAND USE AND THE SOCIAL SCIENCES

MONDAY MORNING, SEPTEMBER 13, 1948

CHAIRMAN: Monalco Solís

VICE CHAIRMAN: Antonio García Solórzano

DISCUSSION LEADER: Carl C. Taylor

SECTION SECRETARIES: Aaron J. Sharp
Edward H. Graham

The meeting convened at 10:20 a.m. Chairman Solís remarked that land use is a social activity. Control of resources is in part a social question. The depletion of soil, vegetation, and other resources considered at this Conference are not the result of caprice but of social and other influences. Today land-use problems will be discussed in their true perspective.

1. "CONSERVATION OF RENEWABLE NATURAL RESOURCES IN RELATION TO ECONOMIC STABILITY" by S. V. Ciriacy-Wantrup.

2. "POLITICS AND THE LAW OF CONSERVATION" by Huston Thompson.

3. "SOCIOLOGY AND THE CONSERVATION OF RENEWABLE NATURAL RESOURCES" by Nathan L. Whetton.

4. "ECONOMICS AND CONSERVATION: SOME PRELIMINARY COMMENTS ON THE FORCES CONDITIONING THE CONSERVATION OF RENEWABLE NATURAL RESOURCES UNDER CONDITIONS OF ECONOMIC PROGRESS" by O. V. Wells. (Read by James G. Maddox)

SUMMARY OF DISCUSSION

Resource utilization and social relations are interrelated variables. The over-all effect of economic instability upon resource use is depletion. Technological and educational approaches toward resource conservation may be

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION III

LAND USE AND THE SOCIAL SCIENCES

MONDAY AFTERNOON, SEPTEMBER 13, 1948

CHAIRMAN: Manuel Solís

VICE CHAIRMAN: Antonio García Solorzano

DISCUSSION LEADER: Carl C. Taylor

SECTION SECRETARIES: Juan A. Bonnet
Joseph J. Hickey

The session reconvened at 2:45 P.M.

5. HISTORY OF CONSERVATION by Alfred Crafts.

6. LAND USE AND HISTORICAL GEOGRAPHY IN CERTAIN SECTORS OF THE MEDITERRANEAN BASIN AND OF THE NEW WORLD by Raymond Crist.

7. INFLUENCE OF LAND USE IN THE TWO MOST IMPORTANT REGIONS OF GUATEMALA ON DEVELOPMENT OF THEIR SOCIAL, ECONOMIC AND POLITICAL LIFE by Rodolfo Rivera Ariza.

8. LAND, PEOPLE, AND INSTITUTIONS OF THE BOLIVIAN ALTIPLANO by Olen E. Leonard.

9. LAND USE IN RIO GRANDE DO SUL by Dario Brossard.

10. WATER LIMITS TO HUMAN ACTIVITY IN THE UNITED STATES by Gilbert F. White

11. THE PRIMITIVE AMERICAN INDIAN IN HIS RELATION TO THE SOIL by Carlos Lleras Restrepo.

12. HISTORICAL INFLUENCES AND TECHNICAL COLLABORATION IN AGRICULTURE by Richard O. Cummings.

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

REPORT OF COMMITTEE ON CREDENTIALS

The Committee on Credentials has examined the credentials of the official participants listed below and finds them to be in order. Accordingly, the Committee recommends that each country listed be duly accredited and pursuant to Article 13 of the Rules and Regulations be entitled to one vote.

Argentina

Rodolfo Barbagelata
Carlos Flinta

Bolivia

Martín Cardenas

Brazil

Alvaro Barcellos Fagundes
Paulo Ferreira de Souza
Guido Cesar Rando

Chile

Fernando Salatín
Carlos Castelblanco
Victor Ugarte

Colombia

Pedro Castro Monsalvo
Raphael Parga Cortes
Eduardo Mejía Velez
Jaime Caicedo
Guillermo Ramírez
Fernando Suarez
Hernan Uribe
Horacio Betancourt

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

PROGRAM

SECTION V

EDUCATION IN CONSERVATION DYNAMICS

WEDNESDAY, SEPTEMBER 15, 1948

CHAIRMAN:	Lorenzo Patiño	
VICE CHAIRMAN:	Manuel Gonzalez Vale	
DISCUSSION LEADER:	Shirley Allen	
SECTION SECRETARIES:	Aaron J. Sharp Edward H. Graham	Juan A. Bonnet Joseph J. Hickey

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1. Professor Roscoe H. Eckelberry
   Bureau of Educational Research
   Ohio State University
   Columbus, Ohio.
   Title of paper: Principles and Policies for the Conservation Education of the Citizen

2. Professor Enrique Beltrán
   Professor of Conservation of Natural Resources
   "Escuela Normal Superior"
   Mexico, D. F.
   Title of paper: Conservation Education in Mexico

3. Mr. John W. Spencer, Regional Forester
   Rocky Mountain Region
   Forest Service
   Department of Agriculture
   Denver, Colorado.
   Title of paper: Education in Conservation Dynamics

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION IV

THE DYNAMICS OF RENEWABLE RESOURCES

PART I, TUESDAY MORNING, SEPTEMBER 14, 1948

CHAIRMAN:	Martin Cárdenas
VICE CHAIRMAN:	Carlos A. Fynn
DISCUSSION LEADER:	Clarence L. Forsling
SECTION SECRETARIES:	Juan A. Bonnet Joseph J. Hickey

The session convened at 10:15 A.M. Inasmuch as seven Latin American Republics celebrate their anniversaries during the next few days, it was suggested that the Conference send messages of congratulation to the following: Chile, Costa Rica, El Salvador, Guatemala, Honduras, Mexico and Nicaragua.

1. SOIL CONSERVATION by Hugh H. Bennett.
2. SOIL AND FORESTS: TWO NATURAL RESOURCES WHICH, IN BRAZIL, MUST BE RENEWED by Alpheu Domingues. (Read by Dario Brossard)
3. BROAD CLASSIFICATION OF TROPICAL SOILS IN PUERTO RICO BY VARIOUS PRACTICAL SYSTEMS by Juan A. Bonnet.
4. WATER CONTROL AND RESOURCES DEVELOPMENT by J. P. Pope.
5. GEOLOGIC IMPLICATIONS OF WATERSHED MANAGEMENT by Reed W. Bailey.

SUMMARY OF DISCUSSION

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION IV

THE DYNAMICS OF RENEWABLE RESOURCES

PART I, TUESDAY AFTERNOON, SEPTEMBER 14, 1948

CHAIRMAN:	Martín Cardenas
VICE CHAIRMAN:	Carlos A. Fynn
DISCUSSION LEADER:	Clarence L. Forsling
SECTION SECRETARIES:	Aaron J. Sharp Edward H. Graham

The session convened at 2:45 P.M. There was a brief discussion paper presented in the morning session. Projects such as TVA are considered by some to be an excellent solution to conservation problems associated with the complete treatment of a watershed, especially where private enterprise is not adequate.

6. CONSERVATION OF BRAZILIAN FORESTS by Paulo Ferreira de Souza.
7. THE FOREST PROBLEM OF MEXICO by Enrique Dupré Ceniceros.
8. THE ECOLOGICAL APPROACH TO CONSERVATION PROGRAMS by Edward I. Kotok.
9. THE DEVELOPMENT OF FOREST LAND MANAGEMENT IN TROPICAL AMERICA by Arthur Upson and Frank H. Wadsworth.
(Read by Arthur Upson)

X-HD 13
.I5Z9

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO • SEPTEMBER 7-20, 1948

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.I5Z9

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

P R O G R A M

SECTION VI

MAKING CONSERVATION EFFECTIVE

THURSDAY, SEPTEMBER 16, 1948

CHAIRMAN: Roberto Alamo Ibarra

VICE CHAIRMAN: Roger Stone

DISCUSSION LEADER: Kenneth A. Reid

SECTION SECRETARIES: Aaron J. Sharp, Juan A. Bonnet, Edward H. Graham, Joseph J. Hickey

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1. Government responsibility

Dr. Harold J. Coolidge, Executive Secretary
Pacific Science Board
National Research Council
Washington, D. C.
Title of paper: A World Approach to Nature Protection

Dr. Ira N. Gabrielson, President
Wildlife Management Institute
Washington, D. C.
Title of paper: Making Conservation Effective by Governmental Action

Ing. Lorenzo R. Patiño
Director General of Soil and Water Conservation
Ministry of Agriculture and Animal Husbandry
Mexico, D. F.
Title of paper: Organization of the Mexican Soil and Water Conservation Service

X-HC 13
.I5-Z9

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#28

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION V

EDUCATION IN CONSERVATION DYNAMICS

WEDNESDAY MORNING, SEPTEMBER 15, 1948

CHAIRMAN:	Lorenzo Patiño
VICE CHAIRMAN:	Manuel Gonzales Vale
DISCUSSION LEADER:	Shirley Allen
SECTION SECRETARIES:	Aaron J. Sharp Edward H. Graham

The session convened at 10:20 a.m. Chairman Patiño stressed the fact that education is very important in helping rural peoples to achieve conservation on the land from which they derive their living.

The Chairman called upon Mr. Oscar L. Chapman, Under Secretary, Department of the Interior. Mr. Chapman stated that individuals are the key to success in the conservation field but they must be supported by the sovereign power of their governments in order to make effective broad conservation policies. Yet the key to conservation is man himself. It is to provide men with hope that this Conference is being held. This Conference is as crucial as a peace conference. Indeed it is a peace conference between man and nature.

1. PRINCIPLES AND POLICIES FOR THE CONSERVATION EDUCATION OF THE CITIZEN by Roscoe H. Eckelberry.

2. CONSERVATION EDUCATION IN MEXICO by Enrique Beltrán.

3. EDUCATION IN CONSERVATION DYNAMICS by John W. Spencer.

4. CONSERVATION IN TECHNICAL EDUCATION by Manuel Gonzáles Vale.

5. THE FORESTRY PROFESSION AND EDUCATION IN CONSERVATION by Clyde Martin.

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.I5 Z9

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9/15/48

#29

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION V

EDUCATION IN CONSERVATION DYNAMICS

WEDNESDAY AFTERNOON, SEPTEMBER 15, 1948

CHAIRMAN:	Lorenzo Patiño
VICE CHAIRMAN:	Manuel González Vale
DISCUSSION LEADER:	Shirley W. Allen
SECTION SECRETARIES:	Juan A. Bonnet
	Joseph J. Hickey

The session reconvened at 2:45 P.M.

6. THE AGRICULTURAL POTENTIALITY OF MEXICO IN RELATION TO THE CONSERVATION OF THE NATURAL RESOURCES by Gonzalo Andrade Alcocer.

7. THE ROLE OF BIOLOGY IN CONSERVATION EDUCATION by Aaron J. Sharp.

8. THE ROLE OF SOIL SURVEYS IN ACHIEVING LAND-USE RE-ADJUSTMENT IN EL SALVADOR by W. Clinton Bourne.

9. THE INTERNATIONAL FOUNDATION: A NEW APPROACH TO AN ANCIENT PROBLEM by Tom Gill.

10. SEVENTY-THREE YEARS' PROGRESS IN FOREST CONSERVATION by William S. Rosecrans.

11. EDUCATION IN RELATION TO DYNAMIC CONSERVATION by George E. Brewer, Jr.

12. LONG-RANGE EDUCATION ON HOW TO LIVE HARMONIOUSLY WITH THE EARTH by J. V. K. Wagar.

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

FINAL REPORT OF COMMITTEE ON CREDENTIALS

The Committee on Credentials has examined the credentials of the official participants listed below and finds them to be in order. Accordingly, the Committee proposes that each country listed be duly accredited and pursuant to Article 13 of the Rules and Regulations be entitled to one vote.

Argentina

Rodolfo Barbagelata
Carlos Flinta

Bolivia

Martín Cardenas
Eduardo Rodriguez

Brazil

Alvaro Barcellos Fagundes
Paulo Ferreira de Souza
Guido Cesar Rando

Chile

Fernando Salatín
Carlos Castelblanco
Victor Ugarte

Colombia

Pedro Castro Monsalvo
Raphael Parga Cortes
Eduardo Mejía Velez
Jaime Caícedo
Guillermo Ramírez
Fernando Suarez
Hernan Uribe
Horacio Betancourt Velez

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION VI

MAKING CONSERVATION EFFECTIVE

THURSDAY MORNING, SEPTEMBER 16, 1948

CHAIRMAN:	Roberto Alamo Ibarra
VICE CHAIRMAN:	Roger Stone
DISCUSSION LEADER:	Kenneth A. Reid
SECTION SECRETARIES:	Juan A. Bonnet Joseph J. Hickey

The session convened at 10:20 A.M.

1. A WORLD APPROACH TO NATURE PROTECTION by Harold J. Coolidge.
2. MAKING CONSERVATION EFFECTIVE BY GOVERNMENTAL ACTION by Ira N. Gabrielson.
3. ORGANIZATION OF THE MEXICAN SOIL AND WATER CONSERVATION SERVICE by Lorenzo R. Patiño.
4. EXTENSION WORK AS A SOCIAL FORCE IN AGRICULTURAL PROGRESS by M. L. Wilson.
5. DEMOCRACY AT WORK IN SOIL CONSERVATION DISTRICTS by Kent Leavitt.

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#32

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION VI

MAKING CONSERVATION EFFECTIVE

THURSDAY AFTERNOON, SEPTEMBER 16, 1948

CHAIRMAN: Roberto Alamo Ibarra

VICE CHAIRMAN: Roger Stone

DISCUSSION LEADER: Kenneth A. Reid

SECTION SECRETARIES: Aaron J. Sharp
Edward H. Graham

The session reconvened at 2:45 P.M.

6. PRIVATE RESPONSIBILITY IN MAKING CONSERVATION EFFECTIVE by Paul Clement.

7. THE ROLE OF THE PRESS IN THE CONSERVATION OF RENEWABLE NATURAL RESOURCES by Antonio Arráiz.

8. CONSERVATION FRONTIERS AND THE PRESS by Tom Wallace.

9. THE PRESERVATION OF WILDERNESS by Sigurd Olson.

10. THE PAPALOAPAN VALLEY by Luis González Aparicio.

11. SOIL CONSERVATION IN RELATION TO COFFEE GROWING IN EL SALVADOR by Manuel Chávez Viaud.

12. INTERNATIONAL COOPERATION AND THE PRIVATE CITIZEN by Hoyes Lloyd.

13. HEMISPHERIC PLANNING FOR RENEWABLE RESOURCES by Arthur H. Carhart.

SUMMARY OF DISCUSSION

The public press performs an important role in the promotion of

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#33

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

PROGRAM

SECTION IV (CONCLUSION)

THE DYNAMICS OF RENEWABLE RESOURCES

FRIDAY, SEPTEMBER 17, 1948

CHAIRMAN:	Martín Cárdenas
VICE CHAIRMAN:	Carlos A. Fynn
DISCUSSION LEADER:	Clarence L. Forsling
SECTION SECRETARIES:	Aaron J. Sharp Juan A. Bonnet Edward H. Graham Joseph J. Hickey

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Mr. Fairfield Osborn, President
New York Zoological Society and The Conservation Foundation
New York, New York
Title of paper: Action Must be Taken

3. . Forests and Grazing Lands (Conclusion)

Ing. Antonio García Solórzano
Technical Director of Agriculture
Ministry of Economy
Quito, Ecuador.
Title of paper: Ecuador and Its Present Natural Resources

Mr. W. R. Chapline, Chief
Division of Range Research
Forest Service
Department of Agriculture
Washington, D. C.
Title of paper: Range Research Contributions

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF
RENEWABLE NATURAL RESOURCES

Denver, Colorado - September 7-20, 1948

DECLARATIONS AND RESOLUTIONS

Approved

by the Plenary Session

September 17, 1948

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#35

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

WORKING PLENARY SESSION

8:00 p.m. Friday, September 17, 1948

AGENDA

1. Report of Committee on Credentials.
2. Report of Committee on Resolutions.
3. Selection of a Reception Committee to receive the President of the United States.
4. Presentation of awards for outstanding contribution to conservation education.

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#36

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

LIST OF PAPERS PRESENTED TO THE CONFERENCE
THAT WERE READ BY TITLE

SECTION I

HUMAN POPULATIONS AND PRODUCTIVE
CAPACITY OF THE LAND

Dr. Alberto Boerger, Director
"Instituto Fitotécnico y Semillero Nacional 'La Estanzuela'"
La Estanzuela, Colonia, Uruguay.
Title of paper: Uruguay and the Defense of the Productive Potential of its Agricultural Lands
Paper No. 32

Dr. Carlos Borges Schmidt
Ministry of Agriculture
São Paulo, Brazil.
Title of paper: Agricultural Activity in View of the Improverishment of Soil Fertility Reserves
Paper No. 96

SECTION III

LAND USE AND THE SOCIAL SCIENCES

Dr. Rodolfo E. Ballester
Professor of Applied Hydraulics
University of Buenos Aires
Buenos Aires, Argentina.
Title of paper: Problems in the Utilization of Water Resources in Irrigation
Paper No. 27

Dr. Felisberto Camargo, Director
Agronomical Institute of the North
Belem, Para, Brazil.
Title of paper: Land Use and Sociology
Paper No. 108

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#37

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

FIELD TRIP TO THE ARAPAHO AND PIKE NATIONAL FORESTS

September 9, 1948

Comments by

Mr. F. Lee Kirby, Forester
Region 2, U. S. Forest Service
Department of Agriculture

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION IV (CONCLUSION)

THE DYNAMICS OF RENEWABLE RESOURCES

FRIDAY MORNING, SEPTEMBER 17, 1948

CHAIRMAN:	Martín Cárdenas
VICE CHAIRMAN:	Carlos A. Fynn
DISCUSSION LEADER:	Clarence L. Forsling
SECTION SECRETARIES:	Aaron J. Sharp Edward H. Graham

The session convened at 10:20 A.M.

1. ECUADOR AND ITS PRESENT NATURAL RESOURCES by Antonio Garcia Solórzano.
2. RANGE RESEARCH CONTRIBUTIONS by W. R. Chapline.
3. THE USE OF FIRE IN RANGE FORAGE PRODUCTION by A. W. Sampson.
4. ACTION MUST BE TAKEN by Fairfield Osborn.
5. WILDLIFE IN A DEVELOPING HEMISPHERE by E. R, Kalmbach.
6. CONTRIBUTION TO THE PROTECTION OF FAUNA IN LATIN AMERICA by Abelardo Moreno.

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INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

SUMMARY MINUTES

SECTION IV (CONCLUSION)

THE DYNAMICS OF RENEWABLE RESOURCES

FRIDAY AFTERNOON, SEPTEMBER 17, 1948

CHAIRMAN:	Martín Cárdenas
VICE CHAIRMAN:	Carlos A. Fynn
DISCUSSION LEADER:	Clarence L. Forsling
SECTION SECRETARIES:	Juan A. Bonnet Joseph J. Hickey

The session reconvened at 3:00 P.M.

7. MANAGEMENT OF FRESH-WATER FISHERY RESOURCES IN TROPICAL SOUTH AMERICA, WITH SPECIAL REFERENCE TO THE AMAZON RIVER by George S. Myers.

8. THE PRINCIPLE RESOURCES OF WILD COUNTRY by Olaus J. Murie

9. STUDY OF THE VEGETATION AND FLORA IN THE FRAY JORGE AND TALINAY NATIONAL PARKS by Carlos Muñoz Pizarro and Edmundo Pisano Valdés.

10. THE NATIONAL PARK CONCEPT by Newton B. Drury

11. THE ROLE OF ECOLOGY IN THE CONSERVATION OF RENEWABLE RESOURCES by Walter P. Cottam.

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#40

INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES

DENVER, COLORADO SEPTEMBER 7-20, 1948

CLOSING PLENARY SESSION

House Chamber, State Capitol
Monday, September 20, 1948
10:30 a.m. - 11:30 a.m.

Address by the Honorable Alvaro Barcellos Fagundes, Chairman of the Brazilian Delegation, on behalf of all delegations of the other American Republics

Farewell Address by the Honorable Charles F. Brannan, President of the Conference

Address by the Honorable Harry S. Truman, President of the United States

Adjournment

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Л. МЕНДЕЛСОН

КРИЗИ И ЦИКЛИ

В ЕПОХАТА НА ОБЩАТА КРИЗА НА КАПИТАЛИЗМА

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INTRODUCTION TO
ECONOMIC HISTORY

MICHAEL M. ZARCHIN